Application No. 10/613002 Reply to Office Action of April 20, 2006

Docket No.: 05579-00304-US

AMENDMENTS TO THE CLAIMS

1. (twice amended) A mixture comprising at least one compound of the formula (I)

$$C_2N$$
 $N=N$
 C_2H_4
 C_1
 C_2H_4
 C_2
 C_2
 C_2
 C_2
 C_3
 C_4
 C_4

where R^1 is hydrogen, C_1 - C_4 -alkyl, halogen, or C_1 - C_4 -alkoxy, n is 1 or 2, and the ring A is optionally substituted with C_1 - C_4 -alkyl or halogen,

Application No. 10/613002 Reply to Office Action of April 20, 2006 Docket No.: 05579-00304-US

and at least one compound of the formula (II)

$$O_2N$$
 NO_2
 $N=N$
 $N=N$
 $N+COR^5$

where X is halogen, or CN,

R² and R⁵ are independently hydrogen or C_i -C₄ -alkyl, and

 R^3 and R^4 are independently hydrogen, optionally substituted C_1 - C_4 -alkyl or C_2 - C_4 -alkenyl, unsubstituted C_1 - C_4 -alkyl, NC- substituted C_1 - C_4 alkyl, [H₆C₅- substituted C_1 - C_4 alkyl,] H₅C₆- substituted C_1 - C_4 alkyl, C₁- C_4 alkoxy substituted C_1 - C_4 alkyl or ROOC-substituted C_1 - C_4 alkyl, wherein R is hydrogen or C_1 - C_4 -alkyl.

- 2. The mixture of claim 1, comprising at least one compound of the formula (I) where the ring A does not bear any further substituents.
- 3. The mixture of claim 1, comprising at least one compound of the formula (I) where R^1 is hydrogen or C_1 - C_4 -alkyl.
- The mixture of claim 1, comprising at least one compound of the formula (I), where n is
 1, R¹ is hydrogen or methyl and the ring A is not further substituted.
- 5. The mixture of claim 1, comprising compounds of the formula (II) where X is halogen.

462795_1

Docket No.: 05579-00304-US

Application No. 10/613002 Reply to Office Action of April 20, 2006

- [6. The mixture of claim 1, comprising compounds of the formula (II) where
 R³ and R⁴ are independently hydrogen, C₂ -C₄ -alkenyl, unsubstituted C₁ -C₄ -alkyl or
 ROCO--, NC-- and/or ROOC-substituted C₁ -C₄ -alkyl, R being hydrogen or C₁ -C₄ -alkyl.]
- 7. The mixture of claim 1, comprising a compound of the formula (III), (IV) and/or (V)

$$O_2N \xrightarrow{X^2} N = N \xrightarrow{NR^7R^8},$$

$$X^1 \qquad NHCOR^6$$

$$O_2N$$
 $N=N$
 NR^9R^{10}
 Y^1

and/or

$$O_2N$$
 $N = N$
 $N = N$

462795_1

Application No. 10/613002 Reply to Office Action of April 20, 2006 Docket No.: 05579-00304-US

where X¹ is halogen or CN,

X² is halogen, hydrogen, NO₂ or CN,

 R^6 is C_1 - C_4 -alkyl.

 R^7 and R^8 are independently hydrogen, unsubstituted or HO--, NC--, ROCO--, H_5 C₆ OCO--, (C₁ -C₄ -alkyl)OOCO--, ROOC--, H_5 C₆ O--, H_5 C₆ -- and/or C₁ -C₄ -alkoxy-substituted C₁ -C₄ -alkyl and/or C₂ -C₄ -alkenyl, R being hydrogen or C₁ -C₄ -alkyl, Y^1 and Y^2 are independently hydrogen or halogen.

 R^9 and R^10 are independently hydrogen, unsubstituted or HO--, NC--, ROCO--, H_5 C₆ OCO-- and/or C₁ -C₄ -alkoxy-substituted C₁ -C₄ -alkyl, R being as defined above, or C₂ - C₄ -alkenyl,

 R^{11} is $C_1 - C_4$ -alkyl, and

 $R^{1}2$ is hydrogen, C_{1} - C_{4} -alkyl or C_{1} - C_{4} -alkoxy.

- 8. The mixtures of claim 1, comprising 1 to 99% by weight, especially 1 to 80% by weight, of at least one compound of the formula (I) and 1 to 99% by weight, especially 20 to 99% by weight, of at least one compound of the formula (II), based on total amount of dye.
- 9. A dye preparation comprising

10 to 60% by weight of dye mixture according to claim 1, and 40 to 90% by weight of dispersant.

10. A process for producing the dye preparation of claim 8, in which the individual dyes of the dye mixture of claim 1 are ground in water in the presence of a dispersant, then mixed

462795_1

AUG. 18. 2006 1:50PM NO. 2765 P. 12

Application No. 10/613002 Reply to Office Action of April 20, 2006

and optionally dried or in which the dye mixture of claim 1 is ground in water in the

Docket No.: 05579-00304-US

presence of a dispersant and optionally dried.

11. A method for dyeing and printing hydrophobic synthetic materials or for mass coloration

of hydrophobic synthetic materials in which the dye mixture of claim 1 is used.

12. The hydrophobic synthetic material dyed or printed with the dye mixture of claim 1.

13. The mixtures of claim 1, comprising 1 to 80% by weight of at least one compound of the

formula (I) and 20 to 99% by weight of at least one compound of the formula (II), based

on total amount of dye.

14. A process for producing the dye preparation of claim 1, in which the individual dyes of

the dye mixture of claim 1 are ground in water in the presence of a dispersant, then mixed

and optionally dried or in which the dye mixture of claim 1 is ground in water in the

presence of a dispersant and optionally dried wherein the mixture comprises 1 to 99% by

weight of at least one compound of the formula (I) and 1 to 99% by weight of at least one

compound of the formula (II), based on total amount of dye.

15. A process for producing the dye preparation of claim 1, in which the individual dyes of

the dye mixture of claim 1 are ground in water in the presence of a dispersant, then mixed

and optionally dried or in which the dye mixture of claim 1 is ground in water in the

presence of a dispersant and optionally dried wherein the mixture comprises 1 to 80% by

weight of at least one compound of the formula (I) and 20 to 99% by weight of at least

one compound of the formula (II), based on total amount of dye.

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